

Title (en)
Water treatment agent.

Title (de)
Wasserbehandlungsmittel.

Title (fr)
Agent pour le traitement de l'eau.

Publication
EP 0491391 A1 19920624 (EN)

Application
EP 91121737 A 19911218

Priority
• GB 9027357 A 19901218
• GB 9109861 A 19910508
• GB 9123501 A 19911106

Abstract (en)
Unsaturated compounds which can be dissolved in aqueous based solvents, such as ethylenic or acetylenic carboxylate or alcohols with less than 10 carbon atoms, especially maleic and/or acrylic acid or propargyl alcohol, are reacted with alkali metal phosphite in aqueous solution at neutral or alkaline pH in the presence of free radical initiators such as persulphate to form threshold scale and corrosion inhibitors.

IPC 1-7
C02F 5/14; C07F 9/38; C11D 3/36

IPC 8 full level
C02F 5/00 (2006.01); **C02F 5/08** (2006.01); **C02F 5/10** (2006.01); **C02F 5/14** (2006.01); **C07F 9/38** (2006.01); **C07F 9/40** (2006.01); **C09K 3/00** (2006.01); **C11D 3/36** (2006.01); **C11D 3/37** (2006.01); **C23F 11/167** (2006.01); **C23F 14/02** (2006.01); **E21B 43/28** (2006.01)

CPC (source: EP KR)
C02F 5/14 (2013.01 - EP); **C07F 9/38** (2013.01 - KR); **C07F 9/3808** (2013.01 - EP); **C07F 9/3839** (2013.01 - EP); **C11D 3/361** (2013.01 - EP); **C11D 3/3784** (2013.01 - EP); **C23F 11/1676** (2013.01 - EP); **C23F 14/02** (2013.01 - EP)

Citation (search report)
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Designated contracting state (EPC)
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EP 0491391 A1 19920624; EP 0491391 B1 19960508; EP 0491391 B2 20020403; AT E137756 T1 19960515; AU 2009295 A 19960418; AU 667295 B2 19960321; AU 8978491 A 19920625; BR 9105481 A 19920901; CA 2057822 A1 19920619; CA 2057822 C 19980421; DE 69119377 D1 19960613; DE 69119377 T2 19960926; DE 69119377 T3 20020822; DK 0491391 T3 19960528; DK 0491391 T4 20020617; ES 2090222 T3 19961016; ES 2090222 T5 20030116; FI 111260 B 20030630; FI 915967 A0 19911218; FI 915967 A 19920619; GB 2252322 A 19920805; GB 2252322 B 19950726; GB 9126859 D0 19920219; GB 3020264 T3 19960930; JP 2833895 B2 19981209; JP 3225213 B2 20011105; JP H04334392 A 19921120; JP H1072476 A 19980317; KR 100249658 B1 20000401; KR 920012098 A 19920725; MX 262621 B 20081201; MY 107669 A 19960530; NO 303017 B1 19980518; NO 915002 D0 19911218; NO 915002 L 19920619; SG 54156 A1 19981116; TW 226983 B 19940721

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